

Fig. 1

(Background Art)

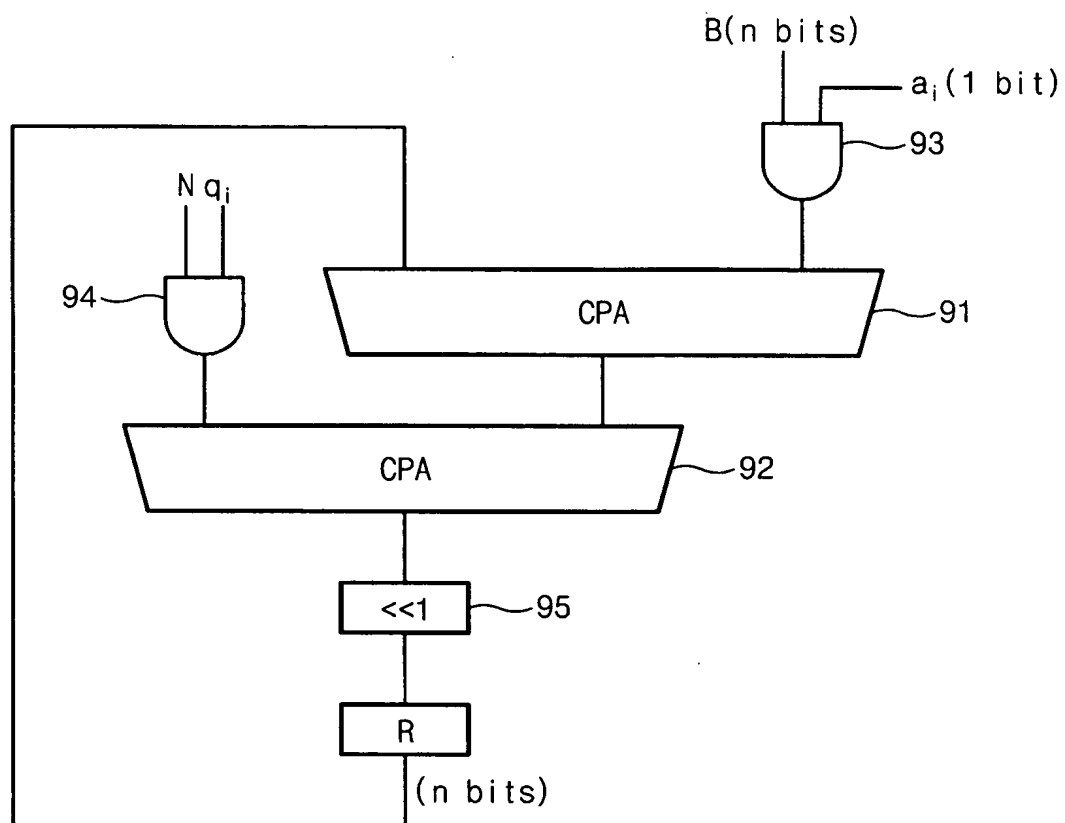


Fig. 2

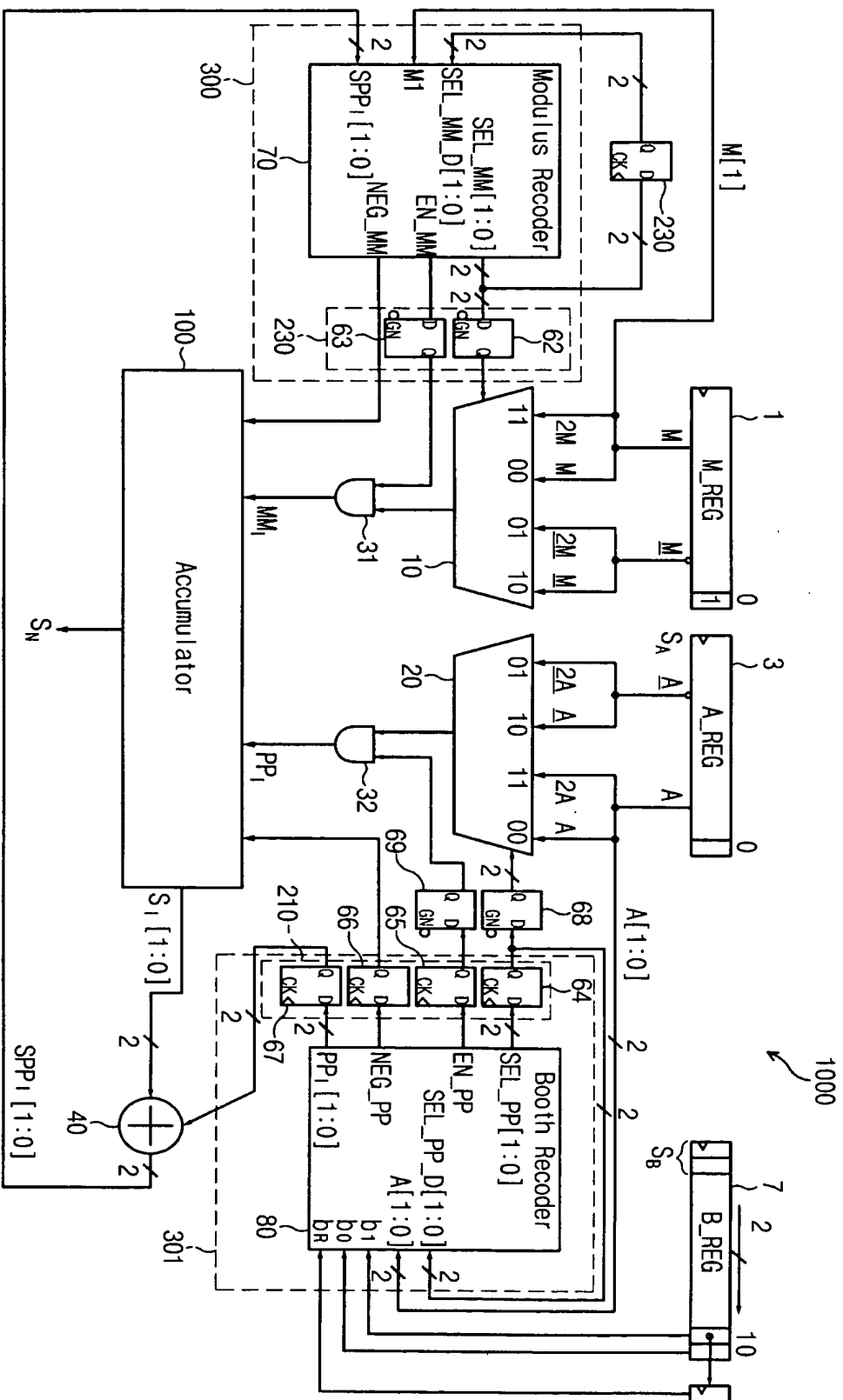


Fig. 3

Inputs of MR(220)			Selected MM ₁	Outputs of MR(70)		
M[1]	SPP ₁ [0]	SPP ₁ [0]		SEL_MM[1:0]	EN_MM	NEG_MM
0	0	0	0	SEL_MM_D[1:0]	0	0
0	0	1	-M	10	1	1
0	1	0	2M	11	1	0
0	1	1	M	00	1	0
1	0	0	0	SEL_MM_D[1:0]	0	0
1	0	1	M	00	1	0
1	1	0	2M	11	1	0
1	1	1	-M	10	1	1

Fig. 4

Inputs of BR(80)			Selected PP _I	Outputs of BR(80)				
b ₁	b ₀	b _R		SEL_PP[1:0]	EN_PP	NEG_PP	PP _I [1], PP _I [0]	
0	0	0	0	SEL_PP_D[1:0]	0	0	0, 0	
0	0	1	A	00	1	0	A[1], A[0]	
0	1	0	A	00	1	0	A[1], A[0]	
0	1	1	2A	11	1	0	A[0], 0	
1	0	0	-2A	01	1	1	A[0], 0	
1	0	1	-A	10	1	1	A[1] ^ A[0], A[0]	
1	1	0	-A	10	1	1	A[1] ^ A[0], A[0]	
1	1	1	0	SEL_PP_D[1:0]	0	0	0, 0	

Fig. 5

